

ABSTRACT

An electronic module adapted to sense light and configured to minimize the entry of stray light into the module. The module includes a housing having an opening through which light enters the housing, a first substrate coupled to the housing, a second substrate on the first substrate opposite the housing, and a chip on the second substrate. The first substrate defines a window aligned with the housing so that light traveling through the housing also passes through window. The second substrate defines an opening aligned with the window, and the chip is located over the opening in the second substrate so that a light-sensing element on the chip senses light passing through the opening. The module is equipped with features that prevent light from entering the module through the second substrate, the first substrate, and between the chip and second substrate.